

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: NuGenTec HDS 90 Product #: MCC611 CAS Number: Blend  
NuGeneration Technologies, LLC [www.nugentec.com](http://www.nugentec.com)  
100 Professional Ctr Dr., Rohnert Park, CA 94928 USA (707) 820-4080 (product info)  
1-800-424-9300 or 1-202-483-7616 (CHEMTREC: For emergencies)

**2. COMPOSITION/INFORMATION ON INGREDIENTS:**

## HAZARDOUS AND/OR REGULATED COMPONENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
SODIUM SILICATE	< 20.0 %	13472-30-5
ANIONIC SURFACTANT	< 10.0 %	27177-77-1
SODIUM NITRITE	< 5.0 %	34590-94-8
POTASSIUM PHOSPHATE	< 5.0 %	34274-30-1
NON-IONIC SURFACTANT	< 5.0 %	68603-25-8

COMPOSITION COMMENT: Biodegradable, Non-Corrosive product. [Hot-Spray Cleaner and Degreaser]  
This product contains silicates. Contains Sodium Nitrite, do not mix with products containing amines.  
HAZARDS DISCLOSURE: This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains hazardous materials.

**3. HAZARDS IDENTIFICATION**

## EMERGENCY OVERVIEW - WARNING!

Alkaline Cleaning compound, can cause skin and eye irritation, rash or burns.

HMIS/NFPA Rating: Health - 2, Flammability - 0, Reactivity - 0 Personal Protection Index - C  
NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme).

## POTENTIAL HEALTH EFFECTS

EYE: Contact may cause eye irritation. INGESTION: May be harmful if swallowed.  
SKIN: Prolonged or repeated contact may cause skin irritation.  
INHALATION: No know inhalation issues in normal industrial use.  
SIGNS AND SYMPTOMS OF EXPOSURE: Not expected to be a skin or eye irritant.  
CHRONIC EFFECTS: Prolonged/repeated contact may produce mild skin irritation.  
CARCINOGENICITY INFORMATION: No known cancer hazards.

**4. FIRST AID MEASURES**

EYE CONTACT FIRST AID: Flush eyes with plenty of water for at least 15 minutes.  
SKIN CONTACT FIRST AID: Wash skin with water and remove contaminated clothing.  
INHALATION FIRST AID: No know inhalation issues in normal industrial use.  
INGESTION FIRST AID: Get medical attention. Induce vomiting. Give water or Milk.  
STATEMENT OF PRACTICAL TREATMENT: Always have plenty of water available for first aid.

**5. FIRE FIGHTING MEASURES**

FLAMMABLE PROPERTIES: Autoignition Temp: None COC Flash Point: None TCC Flash Point: None  
FLAMMABLE LIMITS IN AIR: LEL: None; UEL: None EXTINGUISHING MEDIA: Will not burn.  
FIRE & EXPLOSION HAZARDS: Incinerating may create toxic decomposition products.

**6. ACCIDENTAL RELEASE MEASURES**

SPILLS PROCEDURE: Wash to waste treatment system with water. Or for large spills Absorb spill with inert material (dry sand), then place in a chemical waste container.

**7. HANDLING AND STORAGE**

RECOMMENDED STORAGE TEMPERATURE Minimum: 4.4C (40F) Maximum: 48.9C (120F)  
SHELF LIFE(in original sealed containers): 5 years @ 4.4 C 3 years @ 48.9 C  
HANDLING (PERSONNEL): Avoid contact with eyes, skin, and clothing.  
STORAGE PRECAUTIONS: Keep from freezing. Keep container closed when not in use.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS: Under normal use conditions, with adequate ventilation, no special handling equipment is required.

EYE PROTECTION REQUIREMENTS: Wear protective Glasses to minimize eye contact.

EYE / FACE / RESPIRATORY PROTECTION REQUIREMENTS: Not required in normal use.

SKIN PROTECTION REQUIREMENTS: Wear protective gloves to minimize skin contamination.

EXPOSURE GUIDELINES: N/A

**9. PHYSICAL AND CHEMICAL PROPERTIES**

FORM: Liquid

ODOR: Mild

SOLUBILITY IN WATER: Complete

BULK DENSITY: 10.1

PH: ~12

COLOR: Pale Yellow

BOILING POINT: >212 F

SPECIFIC GRAVITY: 1.21 (Water = 1)

MELTING/FREEZING POINT: <32 F

PH @ 5%: ~12                      VOC = Zero g/l (concentrate)

**10. STABILITY AND REACTIVITY**

STABILITY: Stable.      POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS: Safe under normal usage conditions.

DECOMPOSITION: Decomposition will not occur if handled and stored properly.

**11. TOXICOLOGICAL INFORMATION**

EYE / SKIN EFFECTS: Contact may cause eye irritation.

ACUTE ORAL / INHALATION EFFECTS: No know hazards in normal industrial use.

**12. ECOLOGICAL INFORMATION** - No information available.**13. DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL: Treat or dispose of waste material in accordance with all local, state, and national requirements.

CONTAMINATED MATERIALS: Wash contaminated clothing before reuse.

CONTAINER DISPOSAL: Clean out containers prior to disposal.

**14. TRANSPORTATION INFORMATION**

PRODUCT LABEL: **NuGenTec HDS 90**

D.O.T. SHIPPING NAME: Cleaning Compound

UN NUMBER: N/A

PRODUCT RQ (LBS): 25,000 (Sodium Nitrite)

PACKAGE CLASS: 55

D.O.T. HAZARD CLASS: Non-Hazardous

D.O.T. LABEL: NOBIN Non-Hazardous

D.O.T. PLACARD: N/A

**15. REGULATORY INFORMATION**

EEC Symbols and Indications of Danger: None

R-Phrases: R36/38 - Irritating to eyes and skin.

Canadian Disclosure List: SODIUM NITRITE (7632-00-0)

CERCLA Hazardous Substances SODIUM NITRITE (7632-00-0) -- RQ 100 lb

WHMIS Hazard Symbols: None

S-Phrases: S24/25 - Avoid contact with skin and eyes.

SARA Title III - Section 313 SODIUM NITRITE (7632-00-0)

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS).

**16. OTHER INFORMATION**

PREPARED BY: Donato Polignone

APPROVAL DATE: May 31, 2007

PRD NUMBER: MCC611 (Official Copy)

SUPERCEDES DATE: January 29, 2003

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

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